

SEMICONDUCTOR STRUCTURE HAVING IN-SITU FORMED UNIT

RESISTORS AND METHOD FOR FABRICATION

Abstract of the Disclosure

An electronic structure that has in-situ formed unit resistors and a method for fabricating such structure are disclosed. The electronic structure that has in-situ formed unit resistors consists of a first plurality of conductive elements formed in an insulating material layer, a plurality of electrically resistive vias formed on top and in electrical communication with at least one of the first plurality of conductive elements, and a second plurality of conductive elements formed on top of and in electrical communication with at least one of the plurality of electrically resistive vias. The present invention novel structure may further be formed in a multi-level configuration such that multi-level resistors may be connected in-series to provide larger resistance values. The present invention novel structure may further be combined with a capacitor network to form desirable RC circuits.